CCTGACCGGCCGGCGGCGCCCGGGCCGGTCTCGCCCCTCTACCGAGCGCCTCGCCGCC
CCCTCCCCGGCCCGCGTCCCCTCCCCCGTCCTCTCCTCCCCGCCCGCCGCCCGCCTCTC
GGGGGGAGGGGCGTGGGGGCAGGGAGCCGATTTGCATGCGGCCGCCGCGGCCGCTG
CCTGAGCCGGAGCCCGCCGCCGCCGGAGCCCGCGCCCGCGCCCGCGCCCGGCCCGCG
CGGCCCCATGCCTCTGGCGCGGCCCTCGGGGGGGCGAAGGTGAAGATCGGCTCCTAG
GATGAGTGAAGGGGCGGCCGGTGCCTCGCCACCTGGTGCCGCTTCGGCAGCCGCCGC
CTCAGCCGAGGAGGGCACCGCGGCGGCTGCGGCGGCGGCGGCGGGCGGGGGCC
CGGACGGCGGCGGAGAAGGGGCGGCCGAACCCCCCCGGGAGTTACGCTGTAGCGACT
GCATCGTGTGGAACCGGCAGCAGACGTGGTTGTGCGTGGTGCCTCTGTTCATCGGCTT
CATCGGCCTGGGGCTCAGCCTCATGCTGCTTAAATGGATCGTGGTAGGCTCCGTCAAG
GAGTACGTGCCCACGGACCTGGTGGACTCCAAGGGAATGGGCCAGGACCCCTTCTTCC
TCTCCAAGCCCAGCTCTTTCCCCAAGGCTATGGAAACCACCACAACAACCACTTCTACC
ACGTCCCCCGCCACCCCCTCTGCCGGCGGCGCCGCTTCTTCCAGGACGCCTAACCGGA
TTAGCACCCGCTTGACCACCATCACACGGGCACCCACCCGCTTCCCTGGGCACCGGGT
TCCCATCCGGGCTAGCCCGCGCTCTACCACAGCACGGAACACTGCTGCCCCTCCGACG
GTCCTGTCCACCACGGCCCCTTTCTTCAGTAGCAGCACGCCCGGCTCCCGACCCCCGAT
GCCAGGAGCCCCCAGTACGCAGGCGATGCCTTCCTGGCCCACTGCGGCGTATGCTACC
TCCTCCTACCTCCACGATTCCACTCCCTCCTGGACCCTGTCACCCTTTCAGGATGCTGC
TGCCGCCTCTTCCTCCTCACCCTCTTCCACCTCCTCCACTACCACCACCCCAGAAACTA
GCACCAGCCCCAAATTTCATACTACAACATACTCCACTGAACGATCTGAGCACTTCAA
ACCCTGTCGAGACAAGGACCTGGCGTATTGTCTCAATGATGGTGAATGCTTTGTGATT
GAGACCCTGACAGGATCCCATAAGCACTGTCGGTGCAAGGAAGGCTACCAAGGAGTC
CGTTGTGATCAATTTCTGCCGAAAACAGACTCCATCTTATCGGATCCAACAGACCACTT
GGGGATTGAATTCATGGAGAGTGAAGACGTTTATCAAAGGCAGGTGCTGTCAATTTCA
TGTATCATCTTTGGAATTGTCATCGTGGGCATGTTCTGTGCAGCATTCTACTTCAAAAG
CAAGAAACAAGCTAAACAAATTCAGGAGCACCTGAAAGAGTCACAGAATGGGAAGAA
CTACAGCCTCAAGGCATCCAGCACAAAGTCTGAGAGCTTGATGAAGAGCCATGTCCAT
CTACAAAATTATTCAAAGGCGGATAGGCATCCTGTGACTGCGCTGGAGAAAATAATGG
AGTCAAGTTTTTCAGCTCCCCAGTCGTTCCCAGAAGTCACTTCTCCTGACCGAGGAAG
CCAGCCTATCAAGCACCACAGCCCAGGACAAAGGAGTGGGATGTTGCATAGGAATAC
TTTCAGAAGGGCACCACCCTCACCCCGAAGTCGACTGGGTGGTATTGTAGGACCAGCA
TATCAACAACTTGAAGAATCAAGAATTCCAGACCAGGATACGATACCTTGCCAAGGGA
TAGAGGTCAGGAAGACTATATCCCACCTGCCTATACAGCTGTGGTGTGTTGAAAGACC
CCTGGACTTAAAGTATGTGTCCAATGGCTTAAGAACCCAACAAAATGCATCAATAAAT
ATGCAACTGCCTTCAAGAGAGACAAACCCCTATTTTAATAGCTTGGATCAAAAGGACC
TGGTGGGTTATTTATCCCCAAGGGCCAATTCTGTGCCCATCATCCCGTCGATGGGTCTA
GAAGAAACCTGCATGCAAATGCCAGGGATTTCTGACGTCAAAAGCATTAAATGGTGCA
AAAACTCCTACTCCGCTGACATTGTCAACGCGAGTATGCCAGTCAGTGATTGTCTTCTA
GAAGAACAACAGGAAGTGAAAATATTACTAGAGACTGTGCAGGAACAGATCCGGATT
CTGACTGATGCCAGACGGTCAGAAGACTTCGAACTGGCCAGCATGGAAACTGAGGAC
AGTGCGAGCGAAAACACAGCCTTTCTCCCCCTGAGTCCCACGGCCAAATCAGAACGAG
AGGCACAATTTGTCTTAAGAAATGAAATACAAAGAGACTCTGTGCTAACCAAGTGACT
GGAAATGTAGGAATCTGTGCATTATATGCTTTGCTAAACAGGAAGGAGAGGAAATTA
AATACAAATTATTTATATGCATTAATTTAAGAGCATCTACTTAGAAGCC

Figure 1

TCACCGACCTAGTGGACTCCACTAGGTCGGTGGGCACGTACTCCTTGACGGAGCCCAC
CACGATCCATTTGAGAAGCATGAGGCGCGGCCCCATGCCTCTGCCGCGGCCCTCGGGG
GGGCGAAGGTGAANACCGGCTCCTAGGATGAGTGAAGGGGCGGCCGCTGCCTCGCCA
CCTGGTGCCGCTTCGGCAGCCGCCGCCTCGGCCGAGGAGGGCACCGCGGCGGCTGCG
GCGGCGGCAGCGGCGGGCGGGGGCCCGGACGGCGGCGGCGAAGGGGCGGCCGAGCC
CCCCCGGGAGTTACGCTGTAGCGACTGCATCGTGTGGAACCGGCAGCAGACGTGGCT
GTGCGTGGTACCTCTGTTCATCGGCTTCATCGGCCTGGGGCTCAGCCTCATGCTTCTCA
AATGGATCGTGGTGGGCTCCGTCAAGGAGTACGTGCCCACCGACCTAGTGGACTCCAA
GGGGATGGGCCAGGACCCCTTCTTCCTCTCCAAGCCCAGCTCTTTCCCCAAGGCCATG
GAGACCACCACCACTACCACTTCCACCACGTCCCCCGCCACCCCCTCCGCCGGGGGTG
CCGCCTCCTCCAGGACGCCCAACCGGATTAGCACTCGCCTGACCACCATCACGCGGGC
GCCCACTCGCTTCCCCGGGCACCGGGTGCCCATCCGGGCCAGCCCGCGCTCCACCACA
GCACGGAACACTGCGGCCCCTGCGACGGTCCCGTCCACCACGGCCCCGTTCTTCAGTA
GCAGCACGCTGGGCTCCCGACCCCCGGTGCCAGGAACTCCAAGTACCCAGGCAATGCC
CTCCTGGCCTACTGCGGCATACGCTACCTCCTCCTACCTTCACGATTCTACTCCCTCCT
GGACCCTGTCTCCCTTTCAGGATGCTGCCTCCTCTTCTTCCTCTTCTTCCTCCTCCGCTA
CCACCACCACACCAGAAACTAGCACCAGCCCCAAATTTCATACGACGACATATTCCAC
AGAGCGATCCGAGCACTTCAAACCCTGCCGAGACAAGGACCTTGCATACTGTCTCAAT
GATGGCGAGTGCTTTGTGATCGAAACCCTGACCGGATCCCATAAACACTGTCGGTGCA
AAGAAGGCTACCAAGGAGTCCGTTGTGATCAATTTCTGCCGAAAACTGATTCCATCTT
ATCGGATCCAACAGACCACTTGGGGATTGAATTCATGGAGAGTGAAGAAGTTTATCAA
AGGCAGGTGCTGTCAATTTCATGTATCATCTTTGGAATTGTCATCGTGGGCATGTTCTG
TGCAGCATTCTACTTCAAAAGCAAGAAACAAGCTAAACAAATCCAAGAGCAGCTGAA
AGTGCCACAAAATGGTAAAAGCTACAGTCTCAAAGCATCCAGCACAATGGCAAAGTC
AGAGAACTTGGTGAAGAGCCATGTCCAGCTGCAAAATTATTCAAAGGTGGAAAGGCA
TCCTGTGACTGCATTGGAGAAAATGATGGAGTCAAGTTTTGTCGGCCCCCAGTCATTC
CCTGAGGTCCCTTCTCCTGACAGAGGAAGCCAGTCTGTCAAACACCACAGGAGTCTAT
CCTCTTGCTGCAGCCCAGGGCAAAGAAGTGGCATGCTCCATAGGAATGCCTTCAGAAG
GACACCCCCGTCACCCCGAAGTAGGCTAGGTGGAATTGTGGGACCAGCATATCAGCA
ACTCGAAGAATCAAGGATCCCAGACCAGGATACGATACCTTGCCAAGGGATAGAGGT
CAGGAAGACTATATCCCACCTGCCTATACAGCTGTGGTGTGTTGAAAGACCCCTGGAC
TTAAAGTATTCATCCAGTGGTTTAAAAACCCAACGAAATACATCAATAAATATGCAAC
TGCCTTCAAGAGAGACAAACCCCTATTTTAATAGCTTGGAGCAAAAGGACCTGGTGGG
CTATTCATCCACAAGGGCCAGTTCTGTGCCCATCATCCCTTCAGTGGGTTTAGAGGAA
ACCTGCCTGCAAATGCCAGGGATTTCTGAAGTCAAAAGCATCAAATGGTGCAAAAACT
CCTATTCAGCTGACGTTGTCAATGTGAGTATTCCAGTCAGCGATTGTCTTATAGCAGA
ACAACAAGAAGTGAAAATATTGCTAGAAACTGTCCAGGAGCAGATCCGAATTCTGACT
GATGCCAGACGGTCAGAAGACTACGAACTGGCCAGCGTAGAAACCGAGGACAGTGCA
AGCGAAAACACAGCCTTTCTCCCCCTGAGTCCCACAGCCAAATCAGAACGAGAGGCGC
AATTTGTCTTAAGAAATGAAATACAAAGAGACTCTGCATTGACCAAGTGACTTGAGAT
GTAGGAATCTGTGCATTCTATGCTTTGCTCAACAGGAAAGAGAGGAAATCAAATACAA
ATTATTTATATGCATTAATTTAAGAGCATCTACTTAGAAGAAACCAAATAGTCTATCGC
CCTCATATCATAGTGTTTTTTAACAAAATATTTTTTTAAGGGAAAGAAATGTTTCAGGA
GGGATAAAGCTT

Figure 2

ATGAGTGAAGGGGCGGCCGCTGCCTCGCCACCTGGTGCCGCTTCGGCAGCCG
CCGCCTCGGCCGAGGAGGGCACCGCGGCGGCTGCGGCGGCGGCAGCGGCGG
GCGGGGGCCCGGACGGCGGCGGCGAAGGGGCGGCCGAGCCCCCCCGGGAGT
TACGCTGTAGCGACTGCATCGTGTGGAACCGGCAGCAGACGTGGCTGTGCGT
GGTACCTCTGTTCATCGGCTTCATCGGCCTGGGGCTCAGCCTCATGCTTCTCA
AATGGATCGTGGTGGGCTCCGTCAAGGAGTACGTGCCCACCGACCTAGTGGA
CTCCAAGGGGATGGGCCAGGACCCCTTCTTCCTCTCCAAGCCCAGCTCTTTCC
CCAAGGCCATGGAGACCACCACCACTACCACTTCCACCACGTCCCCCGCCACC
CCCTCCGCCGGGGGTGCCGCCTCCTCCAGGACGCCCAACCGGATTAGCACTCG
CCTGACCACCATCACGCGGGCGCCCACTCGCTTCCCCGGGCACCGGGTGCCCA
TCCGGGCCAGCCCGCGCTCCACCACAGCACGGAACACTGCGGCCCCTGCGAC
GGTCCCGTCCACCACGGCCCCGTTCTTCAGTAGCAGCACGCTGGGCTCCCGAC
CCCCGGTGCCAGGAACTCCAAGTACCCAGGCAATGCCCTCCTGGCCTACTGCG
GCATACGCTACCTCCTCCTACCTTCACGATTCTACTCCCTCCTGGACCCTGTCT
CCCTTTCAGGATGCTGCCTCCTCTTCTTCCTCTTCTTCCTCCTCCGCTACCACC
ACCACACCAGAAACTAGCACCAGCCCCAAATTTCATACGACGACATATTCCAC
AGAGCGATCCGAGCACTTCAAACCCTGCCGAGACAAGGACCTTGCATACTGTC
TCAATGATGGCGAGTGCTTTGTGATCGAAACCCTGACCGGATCCCATAAACAC
TGTCGGTGCAAAGAAGGCTACCAAGGAGTCCGTTGTGATCAATTTCTGCCGAA
AACTGATTCCATCTTATCGGATCCAACAGACCACTTGGGGATTGAATTCATGG
AGAGTGAAGAAGTTTATCAAAGGCAGGTGCTGTCAATTTCATGTATCATCTTT
GGAATTGTCATCGTGGGCATGTTCTGTGCAGCATTCTACTTCAAAAGCAAGAA
ACAAGCTAAACAAATCCAAGAGCAGCTGAAAGTGCCACAAAATGGTAAAAGC
TACAGTCTCAAAGCATCCAGCACAATGGCAAAGTCAGAGAACTTGGTGAAGA
GCCATGTCCAGCTGCAAAATTATTCAAAGGTGGAAAGGCATCCTGTGACTGCA
TTGGAGAAAATGATGGAGTCAAGTTTTGTCGGCCCCCAGTCATTCCCTGAGGT
CCCTTCTCCTGACAGAGGAAGCCAGTCTGTCAAACACCACAGGAGTCTATCCT
CTTGCTGCAGCCCAGGGCAAAGAAGTGGCATGCTCCATAGGAATGCCTTCAG
AAGGACACCCCCGTCACCCCGAAGTAGGCTAGGTGGAATTGTGGGACCAGCA
TATCAGCAACTCGAAGAATCAAGGATCCCAGACCAGGATACGATACCTTGCCA
AGGGTATTCATCCAGTGGTTTAAAAACCCAACGAAATACATCAATAAATATGC
AACTGCCTTCAAGAGAGACAAACCCCTATTTTAATAGCTTGGAGCAAAAGGAC
CTGGTGGGCTATTCATCCACAAGGGCCAGTTCTGTGCCCATCATCCCTTCAGT
GGGTTTAGAGGAAACCTGCCTGCAAATGCCAGGGATTTCTGAAGTCAAAAGC
ATCAAATGGTGCAAAAACTCCTATTCAGCTGACGTTGTCAATGTGAGTATTCC
AGTCAGCGATTGTCTTATAGCAGAACAACAAGAAGTGAAAATATTGCTAGAA
ACTGTCCAGGAGCAGATCCGAATTCTGACTGATGCCAGACGGTCAGAAGACT
ACGAACTGGCCAGCGTAGAAACCGAGGACAGTGCAAGTGAAAACACAGCCTT
TCTCCCCCTGAGTCCCACAGCCAAATCAGAACGAGAGGCGCAATTTGTCTTAA
GAAATGAAATACAAAGAGACTCTGCATTGACCAAGTGA

Figure 3

hNRG3B1 1 MSEGAA AASPPGAASAAAASAEEGTAAAAAAAAAGGGPDGGGEGAAEPPR
mNRG3   1 MSEGAA GASPPGAASAAAASAEEGTAAAAAAAAAGGGPDGGGEGAAEPPR

H φ

hNRG3B1 51 ELRCSDCIVWNRQQTWLCVVPLFIGFIGLGLSLMLLKWIVVGSVKEYVPT
mNRG3   51 ELRCSDCIVWNRQQTWLCVVPLFIGFIGLGLSLMLLKWIVVGSVKEYVPT

S/T rich

hNRG3B1 101 DLVDSKGMGQDPFFLSKPSSFPKAMETTTTTTSTTSPATPSAGGAASSRT
mNRG3   101 DLVDSKGMGQDPFFLSKPSSFPKAMETTTTTTSTTSPATPSAGGAASSRT

hNRG3B1 151 PNRISTRLTTITRAPTRFPGHRVPIRASPRSTTARNTAAPATVPSTTAPF
mNRG3   151 PNRISTRLTTITRAPTRFPGHRVPIRASPRSTTARNTAAPPTVLSTTAPF

hNRG3B1 201 FSSSTLGSRPPVPGTPSTQAMPSWPTAAYATSSYLHDSTPSWTLSPFQD-
mNRG3   201 FSSSTPGSRPPMPGAPSTQAMPSWPTAAYATSSYLHDSTPSWTLSPFQDA

EGF - like

hNRG3B1 250 -AASSSSSSSSATTTTPETSTSPKFHTTTYSTERSEHFKPCRDKDLAYC
mNRG3   251 AAASSSSPSSTSSTTTTPETSTSPKFHTTTYSTERSEHFKPCRDKDLAYC

hNRG3B1 299 LNDGECFVIETLTGSHKHCRCKEGYQGVRCDQFLPKTDSILSDPTDHLGI
mNRG3   301 LNDGECFVIETLTGSHKHCRCKEGYQGVRCDQFLPKTDSILSDPTDHLGI

TM

hNRG3B1 349 EFMESEEVYQRQVLSISCIIFGIVIVGMFCAAFYFKSKKQAKQIQEQLKV
mNRG3   351 EFMESEDVYQRQVLSISCIIFGIVIVGMFCAAFYFKSKKQAKQIQEHLKE

hNRG3B1 399 PQNGKSYSLKASSTMAKSENLVKSHVQLQNYSKVERHPVTALEKMMESSF
mNRG3   401 SQNGKNYSLKASST--KSESLMKSHVHLQNYSKADRHPVTALEKIMESSF

hNRG3B1 449 VGPQSFPEVPSPDRGSQSVKHHRSLSSCCSPGQRSGMLHRNAFRRTPPSP
mNRG3   449 SAPQSFPEVTSPDRGSQPIKHH------SPGQRSGMLHRNTFRRAPPSP

hNRG3B1 499 RSRLGGIVGPAYQQLEESRIPDQDTIPCQGLEVRKTISHLPIQLWCVERP
mNRG3   492 RSRLGGIVGPAYQQLEESRIPDQDTIPCQGIEVRKTISHLPIQLWCVERP

hNRG3B1 549 LDLKYSSSGLKTQRNTSINMQLPSRETNPYFNSLEQKDLVGYSSTRASSV
mNRG3   542 LDLKYVSNGLRTQQNASINMQLPSRETNPYFNSLDQKDLVGYLSPRANSV

hNRG3B1 599 PIIPSVGLEETCLQMPGISEVKSIKWCKNSYSADVVNVSIPVSDCLIAEQ
mNRG3   593 PIIPSMGLEETCMQMPGISDVKSIKWCKNSYSADIVNASMPVSDCVIEEQ

hNRG3B1 649 QEVKILLETVQEQIRILTDARRSEDYELASVETEDSASENTAFLPLSPTA
mNRG3   642 QEVKILLETVQEQIRILTDARRSEDFELASMETEDSASENTAFLPLSPTA

hNRG3B1 699 KSEREAQFVLRNEIQRDSALTK
mNRG3   692 KSEREAQFVLRNEIQRDSVLTK

Figure 4A

Hφ

hNRG3B1 1 M S E G A A A A S P P G A A S A A A A S A E E G T A A A A A A A A A G G G P D G G G E G A A E P P R
hNRG3B2 1 M S E G A A A A S P P G A A S A A A A S A E E G T A A A A A A A A A G G G P D G G G E G A A E P P R

hNRG3B1 51 E L R C S D C I V W N R Q Q T W L C V V P L F I G F I G L G L S L M L L K W I V V G S V K E Y V P T
hNRG3B2 51 E L R C S D C I V W N R Q Q T W L C V V P L F I G F I G L G L S L M L L K W I V V G S V K E Y V P T

S/T rich

hNRG3B1 101 D L V D S K G M G Q D P F F L S K P S S F P K A M E T T T T T T S T T S P A T P S A G G A A S S R T
hNRG3B2 101 D L V D S K G M G Q D P F F L S K P S S F P K A M E T T T T T T S T T S P A T P S A G G A A S S R T

hNRG3B1 151 P N R I S T R L T T I T R A P T R F P G H R V P I R A S P R S T T A R N T A A P A T V P S T T A P F
hNRG3B2 151 P N R I S T R L T T I T R A P T R F P G H R V P I R A S P R S T T A R N T A A P A T V P S T T A P F

hNRG3B1 201 F S S S T L G S R P P V P G T P S T Q A M P S W P T A A Y A T S S Y L H D S T P S W T L S P F Q D A
hNRG3B2 201 F S S S T L G S R P P V P G T P S T Q A M P S W P T A A Y A T S S Y L H D S T P S W T L S P F Q D A

EGF-like

hNRG3B1 251 A S S S S S S S S S A T T T T P E T S T S P K F H T T T Y S T E R S E H F K P C R D K D L A Y C L N
hNRG3B2 251 A S S S S S S S S S A T T T T P E T S T S P K F H T T T Y S T E R S E H F K P C R D K D L A Y C L N

hNRG3B1 301 D G E C F V I E T L T G S H K H C R C K E G Y Q G V R C D Q F L P K T D S I L S D P T D H L G I E F
hNRG3B2 301 D G E C F V I E T L T G S H K H C R C K E G Y Q G V R C D Q F L P K T D S I L S D P T D H L G I E F

TM

hNRG3B1 351 M E S E E V Y Q R Q V L S I S C I I F G I V I V G M F C A A F Y F K S K K Q A K Q I Q E Q L K V P Q
hNRG3B2 351 M E S E E V Y Q R Q V L S I S C I I F G I V I V G M F C A A F Y F K S K K Q A K Q I Q E Q L K V P Q

hNRG3B1 401 N G K S Y S L K A S S T M A K S E N L V K S H V Q L Q N Y S K V E R H P V T A L E K M M E S S F V G
hNRG3B2 401 N G K S Y S L K A S S T M A K S E N L V K S H V Q L Q N Y S K V E R H P V T A L E K M M E S S F V G

hNRG3B1 451 P Q S F P E V P S P D R G S Q S V K H H R S L S S C C S P G Q R S G M L H R N A F R R T P P S P R S
hNRG3B2 451 P Q S F P E V P S P D R G S Q S V K H H R S L S S C C S P G Q R S G M L H R N A F R R T P P S P R S

hNRG3B1 501 R L G G I V G P A Y Q Q L E E S R I P D Q D T I P C Q G I E V R K T I S H L P I Q L W C V E R P L D
hNRG3B2 501 R L G G I V G P A Y Q Q L E E S R I P D Q D T I P C Q G . . . .

hNRG3B1 551 L K Y S S S G L K T Q R N T S I N M Q L P S R E T N P Y F N S L E Q K D L V G Y S S T R A S S V P I
hNRG3B2 529 . . Y S S S G L K T Q R N T S I N M Q L P S R E T N P Y F N S L E Q K D L V G Y S S T R A S S V P I

hNRG3B1 601 I P S V G L E E T C L Q M P G I S E V K S I K W C K N S Y S A D V V N V S I P V S D C L I A E Q Q E
hNRG3B2 577 I P S V G L E E T C L Q M P G I S E V K S I K W C K N S Y S A D V V N V S I P V S D C L I A E Q Q E

hNRG3B1 651 V K I L L E T V Q E Q I R I L T D A R R S E D Y E L A S V E T E D S A S E N T A F L P L S P T A K S
hNRG3B2 627 V K I L L E T V Q E Q I R I L T D A R R S E D Y E L A S V E T E D S A S E N T A F L P L S P T A K S

hNRG3B1 701 E R E A Q F V L R N E I Q R D S A L T K
hNRG3B2 677 E R E A Q F V L R N E I Q R D S A L T K

Figure 4B

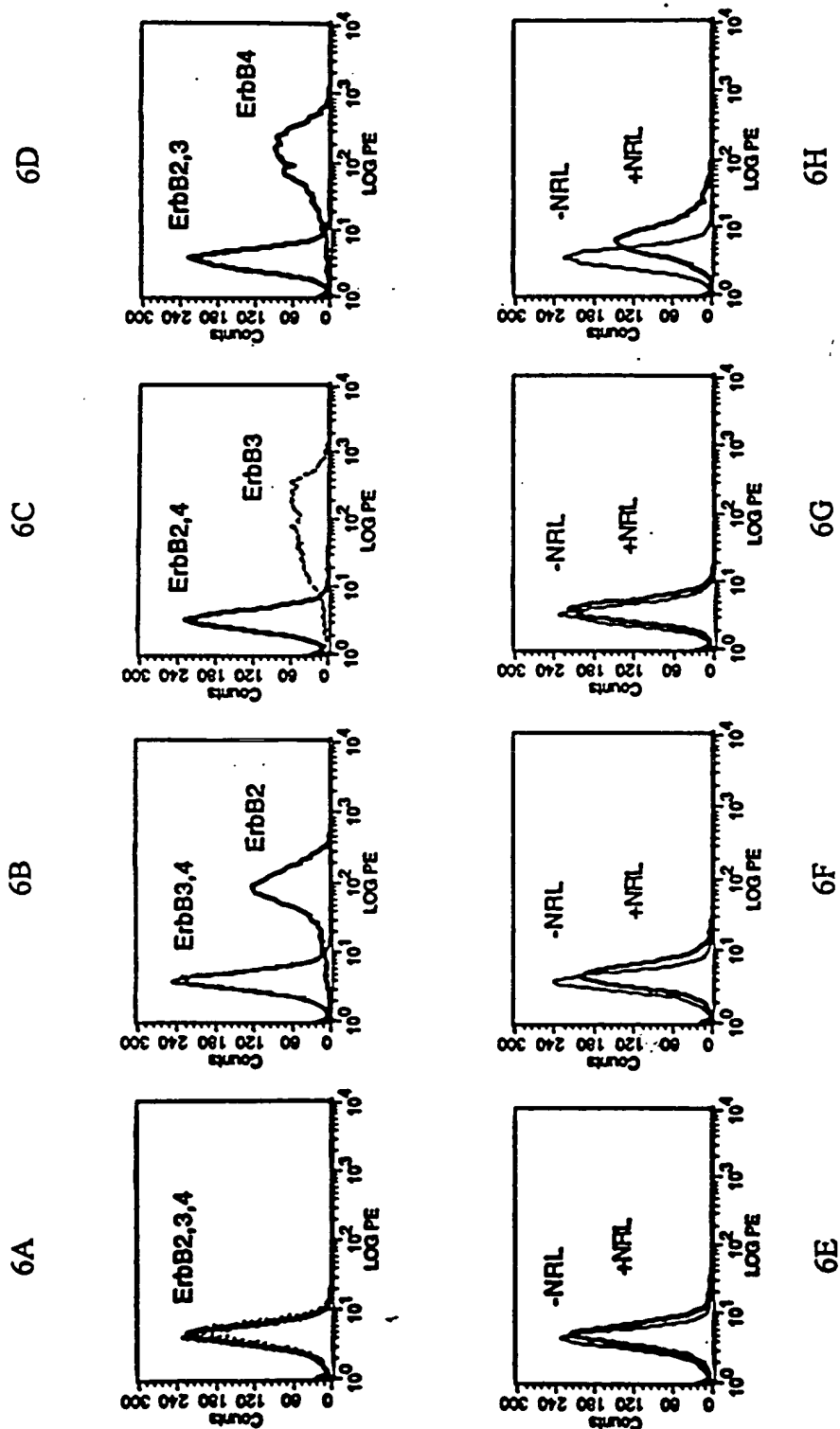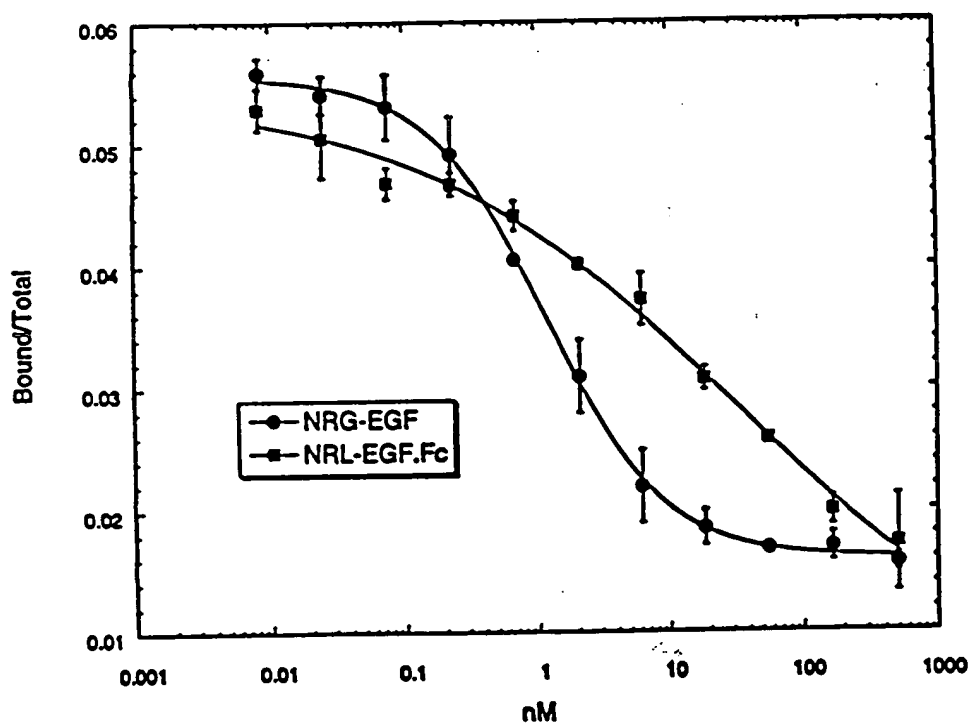| hNRG3.egf	288	H F K P C R D K D L A Y C L N D G E C F V I E T L T G S H K H - C R C K E G Y Q G V R C - D Q F L
cARIA.egf	137	H L T K C D I K Q K A F C V N G G E C Y M V K D L P N P P R Y L C R C P N E F T G D R C - Q N Y V
hAR.egf	142	K K N P C N A E F Q N F C I H - G E C K Y I E H L E A V T - - - C K C Q Q E Y F G E R C G E K S M
hBTC.egf	65	H F S R C P K Q Y K H Y C I K - G R C R F V V A E Q T P S - - - C V C D E G Y I G A R C E R V D L
hEGF.egf	972	S D S E C P L S H D G Y C L H D G V C M Y I E A L D K Y A - - - C N C V V G Y I G E R C Q Y R D L
hHB-EGF.egf	104	K R D P C L R K Y K D F C I H - G E C K Y V K E L R A P S - - - C I C H P G Y H G E R C H G L S L
hHRGα.egf	178	H L V K C A E K E K T F C V N G G E C F M V K D L S N P S R Y L C K C Q P G F T G A R C T E N Y P
hHRGβ.egf	178	H L V K C A E K E K T F C V N G G E C F M V K D L S N P S R Y L C K C P N E F T G D R C - Q N Y V
hTGFα.egf	43	H F N D C P D S H T Q F C F H - G T C R F L V Q E D K P A - - - C V C H S G Y V G A R C E H A D L
mEPR.egf	57	Q I T K C S S D M D G Y C L H - G Q C I Y L V D M R E K F - - - C R C E V G Y T G L R C E H F F L

Figure 5

Figure 6A - 6H

Figure 7